

The Vermont Clean Cities Coalition

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Northeast / Mid-Atlantic Region
Clean Cities Coordinator Peer Exchange
Pittsburgh, PA
June 27-29, 2007



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UVM TRANSPORTATION CENTER

Transportation Research, Education and Innovation for Vermont and Beyond

Coalition Status and Sustainability

- **Current Status**
 - Coordinator full-time job at University Research Center, Percent of job on Clean Cities Coalition activities
- **Membership Structure / Strategies**
 - Coalition members and activities are varied.
- **Steps to Become Self-Sustaining**
 - UTC as official host July 1, 2007



Significant/Noteworthy Vehicle Projects



- Partnership with EVermont, City of Burlington and Dept of Public Works on Hydrogen Fueling station and vehicle
- UTC research projects: Bio-diesel emissions, PHEV power grid impacts, HEV performance measures



Significant/Noteworthy Fueling Infrastructure Projects

- Hydrogen fueling station on-line in summer 2006. Capacity for additional vehicles
- Natural gas fueling station for UVM CNG buses on-line in early 2007



Significant/Noteworthy Coalition Outreach Activities

- Stakeholder Roundtable March 28 – attended by 45. Ideas generated for signature projects.
- UTC assumes full-time coordination July 1, 2007.
- Bio-diesel/AFV conference planned for fall 2007.
- July release of first annual transportation energy use report.



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Vermont Transportation Energy Use Report

Table 1. Gallons of Fuel Sold in Vermont by Calendar Year for the Transportation Sector.

	2002	2003	2004	2005	2006
Gas	346 mil	357 mil	355 mil	361 mil	344 mil
Diesel	66.7 mil	68.4 mil	68.3 mil	68.0 mil	72.2 mil
Bio-Diesel	NA	NA	55,000	276,000	1.40 mil
Total	413	425	423	429	418

- Gasoline sales in Vermont decreased between 2002 and 2006 while diesel sales increased.
- Bio-diesel sales have increased exponentially since 2004 but are a small portion of overall sales.

Vermont Transportation Energy Use Report

- In 2006, more than \$1 billion was spent in Vermont purchasing gasoline and diesel. An increase of more than \$500 million dollars since 2002.
- In five years, in-state spending on transportation fuels has almost doubled while the amount of gasoline and diesel used has remained almost most the same.

Table 2. Average Annual Costs for The Purchase Of Petroleum in Vermont by Calendar Year

	2002	2003	2004	2005	2006
Gas Price/ Gallon	\$1.36	\$1.60	\$1.88	\$2.31	\$2.59
Diesel Price/ Gallon	\$1.45	\$1.71	\$1.97	\$2.58	\$2.86
Total Spent*	\$567 mil	\$686 mil	\$802 mil	\$1,010 mil	\$1,099 mil

*Petroleum sales times avg. cost per gallon.

Significant/Noteworthy Expanded Portfolio Activities



- Vermont Legislature passed school bus idle free zone laws starting July 1, 2007.
- Partnership opportunities with UTC research agenda.

